BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

FIRST AND FINAL BILL

Name of work: Improvements to Roads and Drains at HMT Layout 6th, 7th Block and Surrounding area in Ward No. 14 (Vidyaranyapura).

Estimated Cost : Rs. 55.00 Lakhs

Job Code: 014-23-000010

Head of Account : P3726 Zonal Public Works

Name of Agency: M/s. S.S Road Developers, Prop: Sri S.S Mani, No. 2/2, 1st Cross, BSA Road, Fezer Town, Bangalore 560005.

Work Order: BBMP/EE/BTP/WO/156/2022-23 Dated: 10-03-2023.

Date of Recording: 13-07-2023

Sl No	Description of work	Mesurement				Qty.	Unit	Rate	Amount
		No.	L	B	D				
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 01 & 02 is =					**705.09**	Cum	175.96	**124068.00**
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 03 & 04 is =					**98.87**	Cum	5254.08	**519471.00**
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 05 to 07 is =					**193.08**	Cum	5928.01	**1144580.00**
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 08 is =					**11.58**	Tonne	87192.82	**1009693.00**

AEE (VRP) SD

No	Description of work	Mesurement No.	L	B	D	Qty.	Unit	Rate	Amount
5	Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with **10cm** thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete.								
	Covering Slab								
	10th Cross 6th Block HMT Layout N/S	1	3.90	0.90		3.51			
		1	10.20	0.90		9.18			
		1	8.70	0.90		7.83			
	10th Cross 6th Block HMT Layout S/S	1	21.00	0.90		18.90			
		1	13.30	0.90		11.97			
		1	19.20	0.90		17.28			
	7th Main 6th Block HMT Layout W/S	1	10.00	0.90		9.00			
		1	9.00	0.90		8.10			
		1	23.60	0.90		21.24			
		1	1.20	0.90		1.08			
		1	0.60	0.90		0.54			
		1	26.10	0.90		23.49			
		1	8.40	0.90		7.56			
		1	7.40	0.90		6.66			
	7th Main 6th Block HMT Layout E/S	1	27.80	0.90		25.02			
		1	20.80	0.90		18.72			
		1	8.30	0.90		7.47			
		1	21.50	0.90		19.35			
		1	6.30	0.90		5.67			
		1	11.20	0.90		10.08			
	Narasipura 2nd Phase								
		185	0.60	1.20		133.20			
						365.85	Sqm	1781.92	**651915.00**

CAFC

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Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub-Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

	Description of work	Mesurement No.	L	B	D	Qty.	Unit	Rate	Amount
	Date of Recording:	13-07-2023							
6	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3)								
	Qty Vide Item No- (1)					705.09			
	Total					**705.09**	Cum	70.00	**49356.00**
7	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km								
	Qty frm Item No-06		705.09	1.28		902.51			
	Total					**902.51**	T.Km	99.33	**89646.00**
	EIRL								
E1	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 09 is =					**41.88**	Cum	5062.99	**212038.00**
E2	Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 10 is =					**93.42**	Sqm	225.15	**21034.00**
E3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate**								
	Culvert Coping								
	HMT Layout 7th Main Road	1	7.50	1.50	0.10	1.13			
		1	8.00	1.50	0.10	1.20			
	10th Cross Road	1	7.50	1.50	0.10	1.13			
	Ramp								
	HMT Layout 7th Main Road	2	7.50	1.00	0.10	1.50			
		2	8.00	1.00	0.10	1.60			
	10th Cross Road	2	7.50	1.00	0.10	1.50			
						8.05	Cum	5418.69	**43620.00**

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No.	Description of work	Mesurement No.	L	B	D	Qty.	Unit	Rate	Amount
	Date of Recording:								
E4	Providing and Fixing pre cast Covering Slab 230 mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge								
	For Culvert								
	HMT Layout 7th Main Road	1	7.50	1.50		11.25			
	10th Cross Road	1	8.00	1.50		12.00			
		1	7.50	1.50		11.25			
	Total Qty					**34.50**			
	Qty LTD to Approved Qty					**32.70**	Sqm	4331.82	**141651.00**
	Sub Total								**4007072.00**
	GST @ 18%								**721273.00**
	Grand Total								**4728345.00**

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